Figure 1

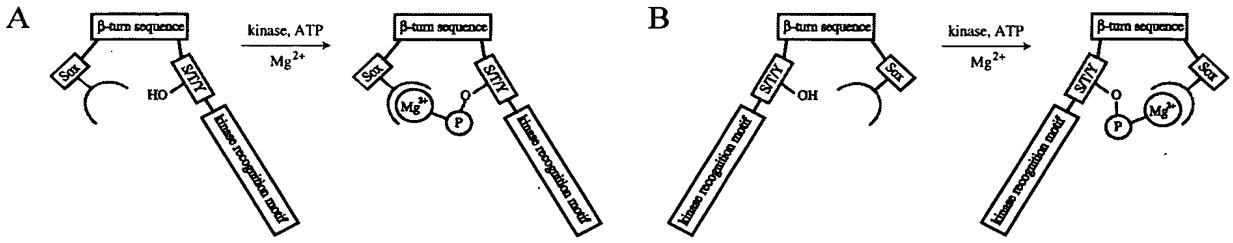

A
β-turn sequence
Ser
S/T/Y
HO
kinase recognition motif
kinase, ATP
Mg2+
β-turn sequence
Ser
S/T/Y
Mg2+
O
P
kinase recognition motif
B
β-turn sequence
S/T/Y
OH
Ser
kinase recognition motif
kinase, ATP
Mg2+
β-turn sequence
S/T/Y
O
P
Mg2+
Ser
kinase recognition motif

Figure 2

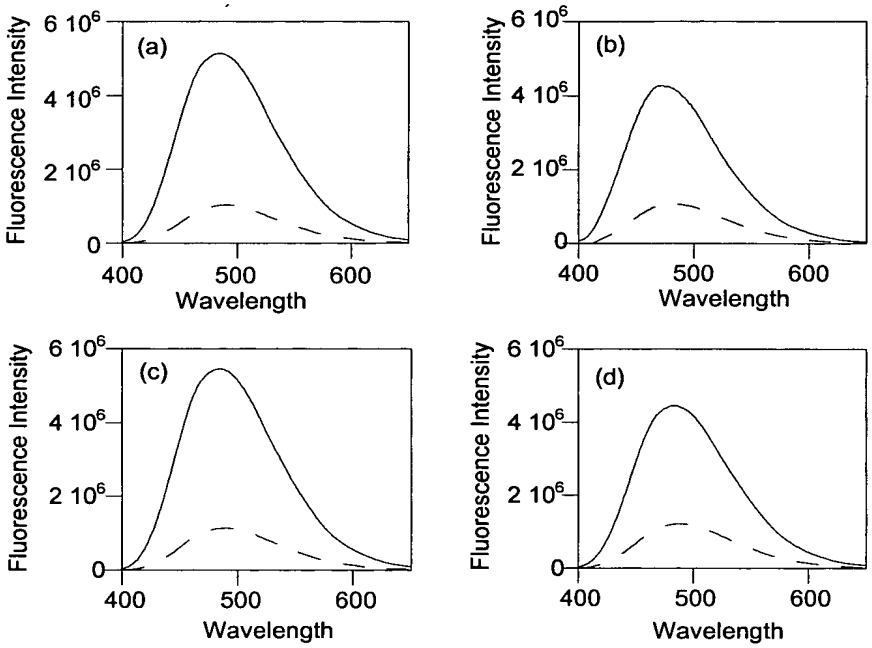
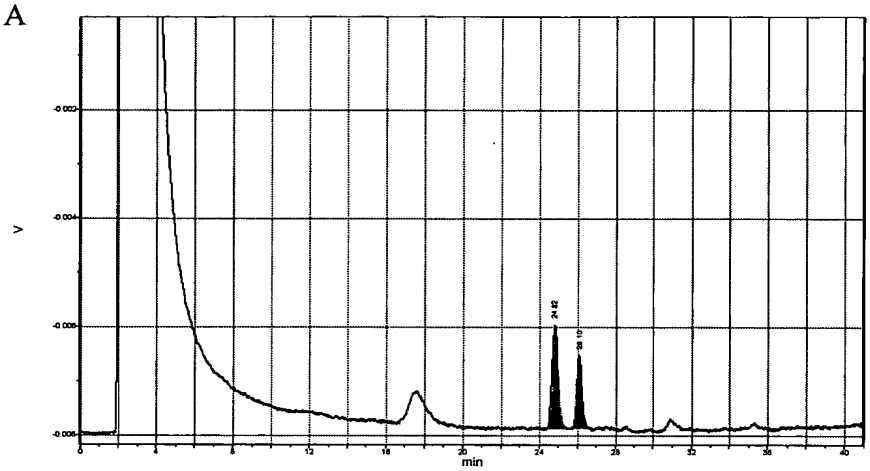

(a)
(b)
(c)
(d)
Fluorescence Intensity
6 10^6
4 10^6
2 10^6
0
400
500
600
Wavelength

Figure 3

A



B

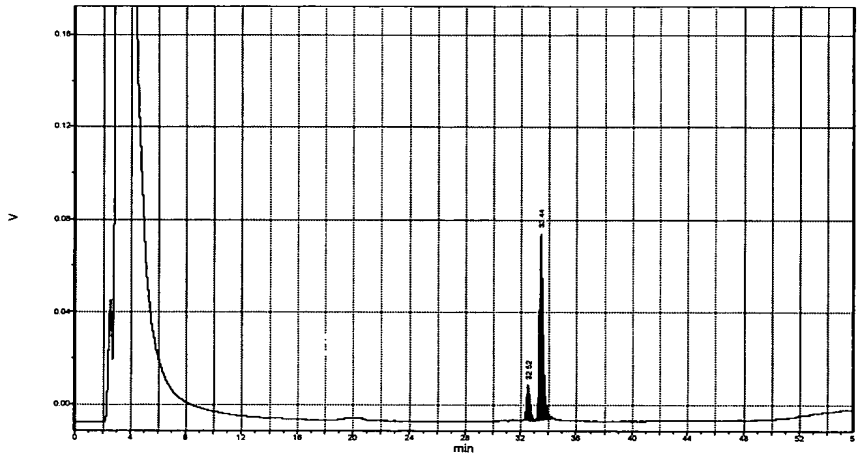
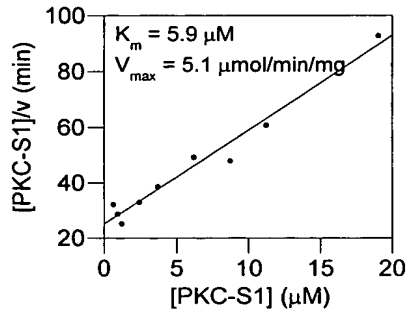
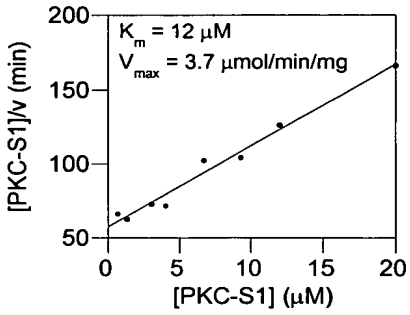


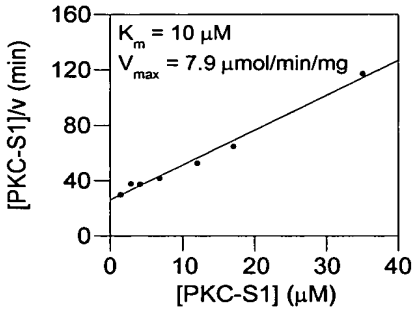
Figure 4



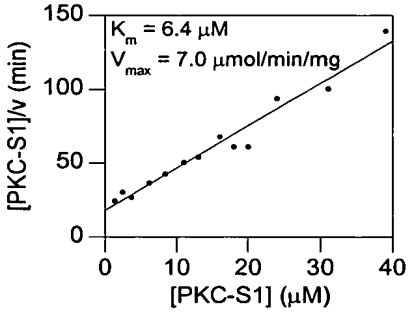
A



B

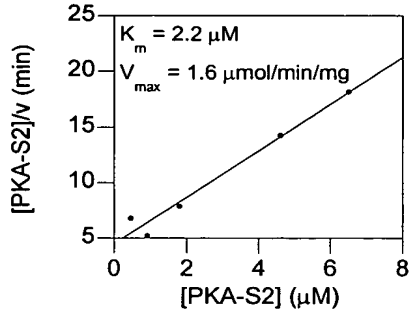


C

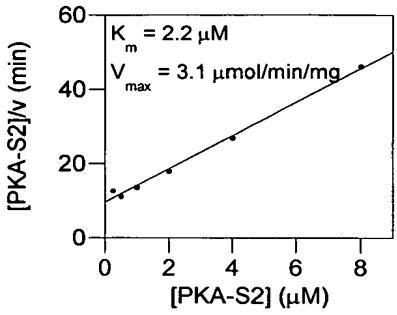


D

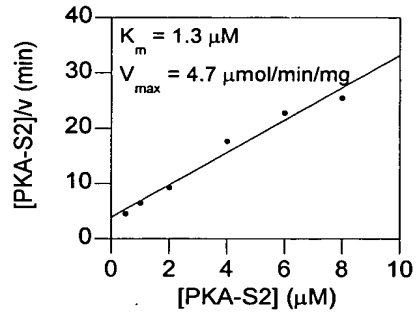
Figure 5



A



B



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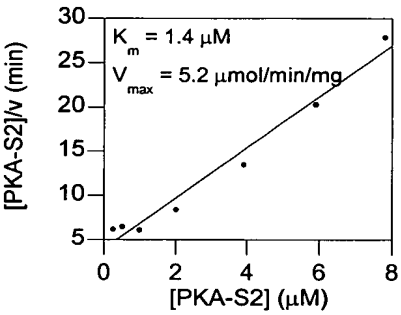
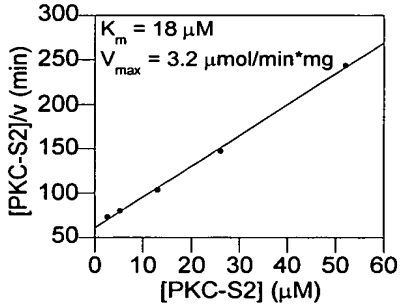
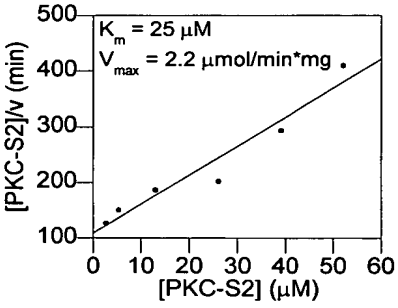


D

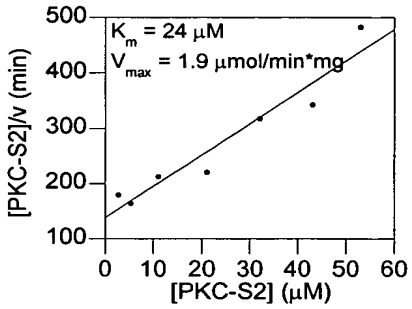
Figure 6



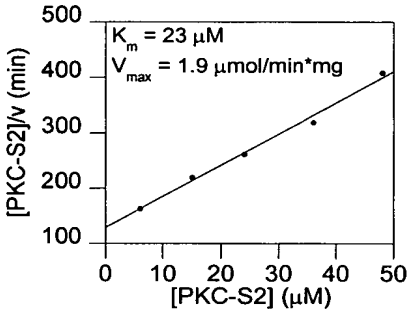
A



B



C



D